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**Exerciser (versions)**

ZHDANOV Y N 2000.06.05 2000RU-114037

(2003.04.10) A63B 69/00, A63B 69/32

**Novelty:** Exerciser has unit and functional designs for two versions of multiple-function electronic exercisers based on employment of personal modernized computer used as control unit and equipped with specially designed software and set of sensors on modern elementary base.

**Detailed Description:** Exerciser is further provided with opponent simulator with program controlled motions of body and limbs urged by sensor signals converted into digital signals for urging sportsman to perform attacking and protecting actions. Feedback is provided in the form of light and speech information on wrong actions. Exerciser has random number generator adapted for controlling operation of simulator spatial motion unit and sportsman spatial motion limiters equipped with sensors and feedback for forming right position at attention, blowing accentuated blows, improving strength and precision of blows, as well as for response development. Exerciser may be used for exercising boxers and sportsmen of other single combat events, such as kick boxing, various kinds of karate.

**Use:** Sportive equipment.

**Advantage:** Increased efficiency of exercising process and provision for faultless attacking and protecting actions, simplified construction and enhanced reliability in operation. 7 cl, 5 dwg (Opp Dwg.No.1/1)

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